Patent
Attorney's Docket No. 032559-093

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	
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Anders Bertil HAGLAND	)	Group Art Unit: Unassigned
	)	
Application No.: Unassigned	)	Examiner: Unassigned
	)	
Filed: March 16, 2001	)	
	)	
For: Load Regulation	)	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned patent application, please amend this application as follows.

IN THE SPECIFICATION:

Please replace the heading on page 1, line 3, with --BACKGROUND--.

Please delete the heading on page 1, line 8.

Please replace the Abstract with the following:

-- A process unit including a real data generator, a buffer for buffering the data, and a queue length monitor, which regulates the data generator depending on the queue length is presented. The system is characterized by a dummy load generator, which stores dummy data in the same buffer at a dummy data rate. The queue length monitor regulates this dummy data rate. The process unit may also be used in a system, further including a transmitter, a link, a receiver, and possibly other process units. The system provides for a faster regulation, especially for slowly reacting process units, which counteracts overflow in the buffers. The system also provides for reduced queue lengths and delays of data.--

IN THE CLAIMS:

Please add claim 21 as follows:

21. (New) The process system according to claim 8, wherein the regulation information includes at least one of:

information about dummy data rates;

information about generation rates of real data;

information about any degree of regulation of the real data generation;

information about queue lengths; and

information about queue length growth rates.

Please amend claims 8, 12, and 18-20 as follows:

8. (Amended) The process system according to claim 6, further comprising communication means between said first process unit and said second process unit for exchange of regulation information.

12. (Amended) The method of transmission according to claim 10, wherein said step of regulating of said dummy data rate comprises the step of reducing the dummy data rate.

18. (Amended) A process unit according to claim 1, wherein the process unit is included in a data communication or telecommunication system.

19. (Amended) A process system according to claim 3, wherein the process unit is included in a data communication or telecommunication system.

20. (Amended) A method according to claim 10, wherein the method is performed in a data communication or telecommunication system.

REMARKS

The specification, claims, and Abstract have been amended to place the application in better form for examination. Favorable consideration is respectfully solicited.

Respectfully submitted,

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Judith Harris

Judith Harris

March 16, 2001

Date

Attachment to Amendment dated March 20, 2001
Marked-up Copy of Changes to the Specification

Page 1, Heading at line 5
[Technical Field] Background

Page 1, Heading at line 8
[Background]

Page 21, Abstract
[The present invention discloses a] A process unit [(10) comprising] including a real data generator [(12)], a buffer [(14)] for buffering the data, and a queue length monitor [(16)], which regulates the data generator [(12)] depending on the queue length is presented. The system is characterized by a dummy load generator [(18), storing] , which stores dummy data in the same buffer [(14)] at a dummy data rate. The queue length monitor [(16)] regulates this dummy data rate. The process unit [(10)] may also be used in a system [(1)], further [comprising] including a transmitter [(20)], a link [(22) and], a receiver [(24)], and possibly [also] other process units. [The advantages with the present invention is that a] system provides for faster regulation, [can be achieved, also] especially for slowly reacting process units, which counteracts overflow in the buffers [(14). Furthermore, the queue lengths are possible to reduce and the]. The system also provides for reduced queue lengths and delays of data are reduced.
[(Fig.1)]

Attachment to Amendment dated March 20, 2001
Marked-up Copy of Changes to the Claims

8. (Amended) The process system according to claim 6, further comprising communication means between said first process unit and said second process unit for exchange of regulation information.[, of which at least a part being selected from the list of:
information about dummy data rates,
information about generation rates of real data
information about any degree of regulation of the real data generation,
information about queue lengths, and
information about queue length growth rates.]

12. (Amended) The method of transmission according to claim 10, wherein said step of regulating of said dummy data rate [in turn] comprises the step of reducing the dummy data rate.

18. (Amended) [Use of a] A process unit according to claim 1, wherein the process unit is included in a data communication or telecommunication system.

19. (Amended) [Use of a] A process system according to claim 3, wherein the process unit is included in a data communication or telecommunication system.

20. (Amended) [Use of a] A method according to claim 10, wherein the method is performed in a data communication or telecommunication system.